The Best NULL Modem Cable and Adapters

It has been brought to my attention that some NULL cables purchased through Amazon aren't quite wired according to the RS232 spec. Using these cables from Amazon, clients were unable to update the firmware in the Serialtools Scoreboard meter due to incomplete wiring.

A NULL modem cable should be wired this way:

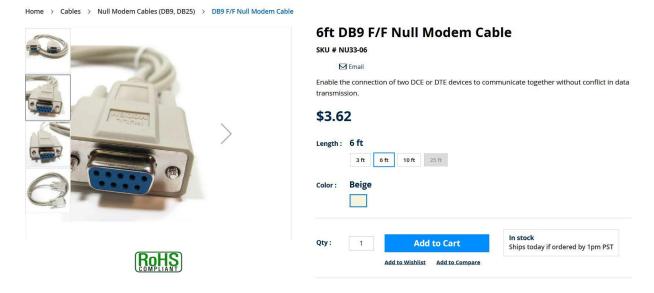
DTE Device (Computer)	DB9	DTE to DTE Connections	DTE Device (Computer)	DB9
Pin# DB9 RS-232 Signal Names		Signal Direction	Pin# DB9 RS-232 Signal Names	
#1 Carrier Detector (DCD)	CD		#1 Carrier Detector (DCD)	CD
#2 Receive Data (Rx)	RD		#2 Receive Data (Rx)	RD
#3 Transmit Data (Tx)	TD		#3 Transmit Data (Tx)	TD
#4 Data Terminal Ready	DTR		#4 Data Terminal Ready	DTR
#5 Signal Ground/Common (SG)	GND		#5 Signal Ground/Common (SG)	GND
#6 Data Set Ready	DSR		#6 Data Set Ready	DSR
#7 Request to Send	RTS		#7 Request to Send	RTS
#8 Clear to Send	CTS		#8 Clear to Send	CTS
#9 Ring Indicator	RI	12 1	#9 Ring Indicator	RI
Soldered to DB9 Metal - Shield	FGND		Soldered to DB9 Metal - Shield	FGND

Null Modem Cable - Crossover Cable DB9 to DB9

Note: Pins #1 & #6 connections provide Carrier Detect signal for each device like Modem (232NM9 "Direct Connect" cable uses these connections)

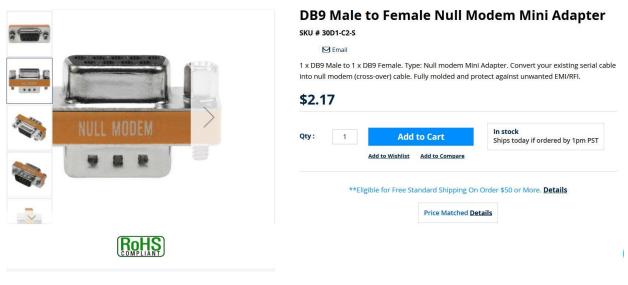
For a cable that meets spec go here:

https://www.sfcable.com/db9-f-f-null-modem-cable.html



For an adapter to plug onto the end of an existing DB9 cable go here:

https://www.sfcable.com/db9-male-to-female-null-modem-mini-adapter.html



Home > Adapters & Connectors > Null Modem Adapters (DB9, DB25) > DB9 Male to Female Null Modem Mini Adapter

Ed Kizer

Serialtools LLC